

1631

PATENT
Attorney Docket No. **P05468US1**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent application of: **MORANAS, COSTAS D. and BURGARD, ANTHONY P.**

For: **METHOD AND SYSTEM FOR MODELING CELLULAR METABOLISM,**

the specification of which is being transmitted herewith.

**INFORMATION DISCLOSURE STATEMENT
FILED WITHIN THREE MONTHS OF FILING OR
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. § 1.97(b))**

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

This information disclosure statement is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office Action on the merits, whichever event occurs last.

Attached are Forms PTO/SB/08A and 08B (formerly Form PTO-1449) listing the relevant art known to the applicant herein. Copies of the listed references are enclosed. The Examiner is requested to consider the references and make them of record.

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose. Legible copies of all items listed in Forms PTO/SB/08A and 08B (formerly Form PTO-1449) accompany this information statement, except those identified above.

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CERTIFICATE OF MAILING

I hereby certify that the above correspondence was mailed to the Assistant Commissioner for Patents, Washington, D.C. 20231, as First Class mail, postage prepaid, this 19th day of November, 2002.

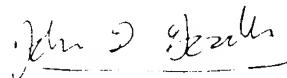
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The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner.

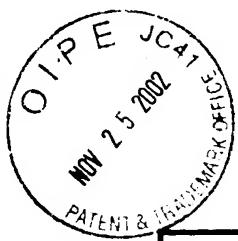
Respectfully submitted,



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- bja -

Attorneys of Record



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				<p>Application Number</p>	10/043,440
				<p>Filing Date</p>	January 10, 2002
				<p>First Named Inventor</p>	MORANAS, COSTAS D., et al.
				<p>Art Unit</p>	
				<p>Examiner Name</p>	
Sheet	1	of	2	Attorney Docket Number	P05468US1

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

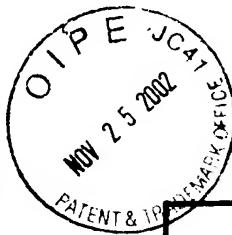
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¹ Applicant's unique citation designation number (optional). ² See Kinds of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

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Substitute for form 1449B/PTO				Complete if Known	
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number 10/043,440 Filing Date January 10, 2002 First Named Inventor MARANAS, COSTAS D. et al. Group Art Unit Examiner Name Attorney Docket Number P05468US1	
Sheet	2	of	2		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Cite No. ^	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	1	"The Challenges of in Silico Biology" Bernhard Palsson, 2000 Nature America, Inc.
	2	"How Will Bioinformatics Influence Metabolic Engineering" Jeremy S. Edwards, Bernhard O. Palsson, 1998 John Wiley & Sons, Inc.
	3	"Regulation of Gene Expression in Flux Balance Models of Metabolism" Markus W. Covert, Christophe H. Schilling and Bernhard Palsson, 2001 Academic Press
	4	"[309d] - Tightening Flux Balance Models Through Boolean Relations", Anthony P. Burgard, Costas D. Maranas, AIChE Technical Program Menu from Genomics to Pathways #2
	5	"The Underlying Pathway Structure of Biochemical Reaction Networks", Christophe H. Schilling and Bernhard O. Palsson, 1998 the National Academy of Sciences
	6	"Metabolic Flux Balance Analysis and the in silico analysis of Escherichia Coli K-12 Gene Deletions" Jeremy S. Edwards, Bernhard O. Palsson, 7/27/2000 BMC Bioinformatics 2000
	7	"Combining Pathway Analysis with Flux Balance Analysis for the Comprehensive Study of Metabolic Systems" Christophe H. Schilling, Jeremy S. Edwards, David Letscher, Bernhard O. Palsson; 2001 John Wiley & Sons, Inc.

Examiner Signature		Date Considered
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